

Industrial Single Board Computer

PICMG 1.3 Full-size CPU Card FS-A71

Intel Core 2 Duo/ Celeron M Mobile
processor with DDRII, Onboard VGA
Gigabit LAN, Mini-PCI
HD Audio, USB, SATA



Form Factor	PICMG (1.3 Compliant) Full-size CPU Card
CPU	Support Intel Core 2 Duo/ Celeron M Mobile processor Package type: Micro-FCPGA478 (Socket-P) Front side bus: 533/800MHz
Memory	2 x DDRII 533/667MHz DIMM up to 3GB with dual channel mode
Chipset	Intel GME965 & ICH8-M (82801HBM)
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min/sec. ~ 255min/sec.
Power Management	ACPI 1.0 compliant, supports power saving mode
VGA Interface	Intel integrated Extreme GMA X3100(Graphic Media Accelerator) Technology
Video Memory	Up to 384MB shared with system memory
LVDS interface	Onboard 18 / 24-bit dual channel LVDS connector
Serial ATA Interface	3 x serial ATA interface with 300MB/s transfer rate
Audio Interface	Intel ICH8-M integrated with Realtek ALC888 HD Audio
Solid State Disk	IDE supports 40-Pin Disk, One Compact Flash Type II socket
LAN Interface	2 x Intel 82573L Gigabit Ethernet controllers
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	2 x Mini-PCI socket
Internal I/O Port	1 x RS232, 1 x RS232/422/485, 1 x IrDA, 1 x FDD, 1 x GPIO, 6 x USB 1 x CDIN connector, 1 x Audio connector, 1 x Parallel, 1 x LVDS, 1 x LCD Inverter
Expansion Interface	PICMG1.3 Interface Support 1 x16 PCI-Express and 4 x 1 PCI-Express 4 x PCI bus master, and 6x USB2.0 Interface
External I/O Port	2 x RJ45 LAN, 1 x DB15 VGA, 1 x PS/2 Keyboard/Mouse
Power Requirement	+5V, +12 & 5V _{SB}
Board Dimension	338 mm x 126 mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

FS-A71G	Support Intel Core 2 Duo Processor, onboard VGA, Audio, SATA, Giga LAN, USB2.0, Serial port, LPT, GPIO, Mini PCI, FDD, IrDA,
FS-A71G2	Same as above and with 2 x Gigabit LAN

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